Student propunator: Schiau Doriana-Alexandra

Grupa: 226

Email: doriana.alexa7@gmail.com

Ce se afiseaza la rularea codului urmator?

@FunctionalInterface  
interface Home{  
 String homeAdress(String a,int b);  
}  
  
class Adress{  
 private String street;  
 private int number;  
  
 public String setAddress(String street,int number){  
 int newNumber=0;  
 Home a=(String s,int x)->{  
 this.street=s;  
 newNumber=1;  
 this.number=x+newNumber;  
 return "Street: " +this.street+" | Number: "+ this.number;  
 };  
 return a.homeAdress(street,number);  
 }  
 public static void main( String[] args ) {  
 System.*out*.println(new Adress().setAddress("Zorilor",11));  
 }  
  
}

* Variante de raspuns:

1. Street: Zorilor | Number: 11
2. NullPointerException
3. Eroare la compilare
4. Street: Zorilor | Number: 12
5. Street: Zorilor | Number: 1

* Justificare raspuns:

Eroarea apare cand se incearca modificarea variabilei locale newNumber(linia 14). Variabilele referite in expresia lambda dar definite in afara acesteia trebuie sa fie final sau effectively final ( nu pot fi modificate)

* Concepte: Expresii lambda,Java 8 features,interfete functionale
* Referinte web:

<http://tutorials.jenkov.com/java/lambda-expressions.html#local-variable-capture>

<https://www.programiz.com/java-programming/lambda-expression>

* Dificultate: medium